

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	515	((JOHN) near2 (OWEN)). INV.	US-PGPUB; USPAT	ADJ	ON	2010/08/31 10:47
S2	3	((KAREN) near2 (BRACE)).INV.	US-PGPUB; USPAT	ADJ	ON	2010/08/31 10:47
S3	35	(US-20080112112-\$ or US-20020172865-\$ or US- 20070148545-\$ or US- 20020102205-\$ or US- 20050064282-\$ or US- 20050194035-\$ or US- 20060263687-\$ or US- 20010012193-\$ or US- 20020114126-\$ or US- 20070281854-\$ or US- 20050155216-\$ or US- 20030036001-\$ or US- 20060063051-\$ or US- 20090014062-\$ or US- 20070081938-\$ or US- 20070261959-\$ or US- 20060240979-\$ or US- 20050058907-\$).did. or (US-4876631-\$ or US- 6379843-\$ or US- 6475670-\$ or US- 6500575-\$ or US- 6346348-\$ or US- 7211350-\$ or US- 5919588-\$ or US- 7091156-\$ or US- 4422917-\$ or US- 5126218-\$ or US- 5953204-\$ or US- 4090933-\$ or US- 6094338-\$ or US- 7368202-\$ or US- 6525923-\$ or US- 7623340-\$).did. or (JP- 2001217162-\$ or JP- 2002158140-\$ or JP- 2002289481-\$ or JP- 2008147612-\$ or JP- 2006278234-\$ or JP- 63206314-\$).did. or (EP- 1239495-\$ or JP- 2006278234-\$ or US- 20080112112-\$ or JP-	US-PGPUB; USPAT	ADJ	ON	2010/08/31 10:55

		2005353652-\$ or JP-2008147612-\$ or JP-2007294654-\$ or US-20060257719-\$ or JP-63206314-\$ or JP-2001217162-\$).did.				
S4	21	(JP-2001217162-\$ or JP-2002158140-\$ or JP-2002289481-\$ or JP-2008147612-\$ or JP-2006278234-\$ or JP-63206314-\$).did. or (EP-1239495-\$ or JP-2006278234-\$ or US-20080112112-\$ or JP-2005353652-\$ or JP-2008147612-\$ or JP-2007294654-\$ or US-20060257719-\$ or JP-63206314-\$ or JP-2001217162-\$).did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/08/31 10:57
S5	3	(supercapacitor or ultracapacitor or double near5 capacitor or electrochemical).ab,ti. and (titanium dioxide or titanium oxide or "TiO. sub.2") same mesoporous same5 hexagonal	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/08/31 10:59
S6	5	(supercapacitor or ultracapacitor or double near5 capacitor or electrochemical).ab,ti. and (titanium dioxide or titanium oxide or "TiO. sub.2") same mesoporous and hexagonal	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/08/31 11:02
S7	478	(supercapacitor or ultracapacitor or double near5 capacitor or electrochemical).ab,ti. and (titanium dioxide or titanium oxide or "TiO. sub.2") same (electrode or anode or active) and (lithium or Li) with electrolyt\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/08/31 11:08

S8	30	(supercapacitor or ultracapacitor or double near5 capacitor or electrochemical).ab,ti. and (titanium dioxide or titanium oxide or "TiO.sub.2") same (electrode or anode or active) and (lithium or Li) with electrolyt\$2 with hydroxide	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/08/31 11:08
S9	40	(US-20090253036-\$ or US-20010012193-\$ or US-20020172865-\$ or US-20030036001-\$ or US-20050058907-\$ or US-20050064282-\$ or US-20050155216-\$ or US-20050194035-\$ or US-20060063051-\$ or US-20060240979-\$ or US-20060257719-\$ or US-20060263687-\$ or US-20070081938-\$ or US-20070148545-\$ or US-20070261959-\$ or US-20070281854-\$ or US-20080112112-\$ or US-20090014062-\$ or US-20040016646-\$ or US-20040131934-\$).did. or (US-4090933-\$ or US-4422917-\$ or US-4876631-\$ or US-5126218-\$ or US-5919588-\$ or US-5953204-\$ or US-6094338-\$ or US-6346348-\$ or US-6379843-\$ or US-6475670-\$ or US-6500575-\$ or US-6525923-\$ or US-7091156-\$ or US-7211350-\$ or US-7368202-\$ or US-7623340-\$ or US-7579112-\$ or US-6620550-\$).did. or (WO-2005101548-\$ or US-20040018430-\$).did.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2010/08/31 11:18
S11	29	S9 and ("TiO.sub.2" or titanium dioxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/08/31 11:19

S12	40	(US-20090253036-\$ or US-20010012193-\$ or US-20020172865-\$ or US-20030036001-\$ or US-20050058907-\$ or US-20050064282-\$ or US-20050155216-\$ or US-20050194035-\$ or US-20060063051-\$ or US-20060240979-\$ or US-20060257719-\$ or US-20060263687-\$ or US-20070081938-\$ or US-20070148545-\$ or US-20070261959-\$ or US-20070281854-\$ or US-20080112112-\$ or US-20090014062-\$ or US-20040016646-\$ or US-20040131934-\$).did. or (US-4090933-\$ or US-4422917-\$ or US-4876631-\$ or US-5126218-\$ or US-5919588-\$ or US-5953204-\$ or US-6094338-\$ or US-6346348-\$ or US-6379843-\$ or US-6475670-\$ or US-6500575-\$ or US-6525923-\$ or US-7091156-\$ or US-7211350-\$ or US-7368202-\$ or US-7623340-\$ or US-7579112-\$ or US-6620550-\$).did. or (WO-2005101548-\$ or US-20040018430-\$).did.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2010/10/04 09:04
S13	13	S12 and pore near4 (size or diameter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/10/04 09:04
S14	6	S12 and pore near4 (density)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/10/04 09:05
S15	5	S13 and S14	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/10/04 09:05
S16	16	S12 and ((nickel or ni) near4 oxide or NiO)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/10/04 09:12

S19	450	(supercapacitor or ultracapacitor or double near5 capacitor or electrochemical).ab.ti. and electrolyt\$2 same (lithium or Li) with (OH or hydroxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/10/04 09:47
S20	5	S19 and S12	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/10/04 09:48
S21	45	(supercapacitor or ultracapacitor or double near5 capacitor or electrochemical).ab.ti. and electrolyt\$2 same (lithium or Li) with (OH or hydroxide) and (TiO or "TiO.sub.2" or titanium dioxide or lithium titanate or "Li.sub.4Ti.sub.5O.sub.12") same2 (electrode or anode or cathode or active)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/10/04 09:56
S22	2	(supercapacitor or ultracapacitor or double near5 capacitor).ab.ti. and electrolyt\$2 same ((lithium or Li) with (OH or hydroxide) or LiOH) and (TiO or "TiO.sub.2" or titanium dioxide or lithium titanate or "Li.sub.4Ti.sub.5O.sub.12") same2 (electrode or anode or cathode or active)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/10/04 10:06
S24	62	(electrochemical).ab.ti. and electrolyt\$2 same ((lithium or Li) with (OH or hydroxide) or LiOH) and (TiO or "TiO.sub.2" or titanium dioxide or lithium titanate or "Li.sub.4Ti.sub.5O.sub.12") same2 (electrode or anode or cathode or active)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/10/04 10:35

S25	2	(supercapacitor or ultracapacitor or double near5 capacitor).ab,ti. and electrolyt\$2 same ((lithium or Li) with (OH or hydroxide) or LiOH) and (TiO or "TiO.sub.2" or titanium dioxide or lithium titanate or "Li.sub.4Ti.sub.5O.sub.12")	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/10/05 07:10
S26	4	(supercapacitor or ultracapacitor or double near5 capacitor).ab,ti. and (electrolyt\$2 or salt) same ((lithium or Li) with (OH or hydroxide) or LiOH) and (TiO or "TiO.sub.2" or titanium dioxide or lithium titanate or "Li.sub.4Ti.sub.5O.sub.12")	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/10/05 07:10
S27	244	(electrochemical or battery).ab,ti. and electrolyt\$2 same ((lithium or Li) with (OH or hydroxide) or LiOH) and (TiO or "TiO.sub.2" or titanium dioxide or lithium titanate or "Li.sub.4Ti.sub.5O.sub.12")	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/10/05 07:12
S28	31	(supercapacitor or ultracapacitor or double near5 capacitor) and (electrolyt\$2 or salt) same ((lithium or Li) with (OH or hydroxide) or LiOH) and (TiO or "TiO.sub.2" or titanium dioxide or lithium titanate or "Li.sub.4Ti.sub.5O.sub.12")	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/10/05 07:37
S29	45	(US-20090253036-\$ or US-20010012193-\$ or US-20020172865-\$ or US-20030036001-\$ or US-20050058907-\$ or US-20050064282-\$ or US-20050155216-\$ or US-20050194035-\$ or US-20060063051-\$ or US-20060240979-\$ or US-20060257719-\$ or US-20060263687-\$ or US-20070081938-\$ or US-20070148545-\$ or US-20070261959-\$ or US-	US-PGPUB; USPAT; DERWENT	ADJ	ON	2010/10/07 10:26

		20070281854-\$ or US- 20080112112-\$ or US- 20090014062-\$ or US- 20040016646-\$ or US- 20040131934-\$ or US- 20070042271-\$).did. or (US-4090933-\$ or US- 4422917-\$ or US- 4876631-\$ or US- 5126218-\$ or US- 5919588-\$ or US- 5953204-\$ or US- 6094338-\$ or US- 6346348-\$ or US- 6379843-\$ or US- 6475670-\$ or US- 6500575-\$ or US- 6525923-\$ or US- 7091156-\$ or US- 7211350-\$ or US- 7368202-\$ or US- 7623340-\$ or US- 7579112-\$ or US- 6620550-\$ or US- 4728586-\$ or US- 6177213-\$ or US- 5963417-\$ or US- 7541114-\$).did. or (WO- 2005101548-\$ or US- 20040018430-\$).did.				
S30	12	S29 and aqueous and (liOH or (lithium or Li) near3 (hydroxide or OH))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/10/07 10:26
S35	52	(supercapacitor or ultracapacitor or double near5 capacitor or electrochemical near4 (capacitor or cell or device)).ab,ti. and (pore or \$6porous) with (hexagon\$8 or cubic) and (electrode or active) with oxide	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/10/07 10:41

S36	35	(US-20080112112-\$ or US-20020172865-\$ or US-20070148545-\$ or US-20020102205-\$ or US-20050064282-\$ or US-20050194035-\$ or US-20060263687-\$ or US-20010012193-\$ or US-20020114126-\$ or US-20070281854-\$ or US-20050155216-\$ or US-20030036001-\$ or US-20060063051-\$ or US-20090014062-\$ or US-20070081938-\$ or US-20070261959-\$ or US-20060240979-\$ or US-20050058907-\$).did. or (US-4876631-\$ or US-6379843-\$ or US-6475670-\$ or US-6500575-\$ or US-6346348-\$ or US-7211350-\$ or US-5919588-\$ or US-7091156-\$ or US-4422917-\$ or US-5126218-\$ or US-5953204-\$ or US-4090933-\$ or US-6094338-\$ or US-7368202-\$ or US-6525923-\$ or US-7623340-\$).did. or (JP-2001217162-\$ or JP-2002158140-\$ or JP-2002289481-\$ or JP-2008147612-\$ or JP-2006278234-\$ or JP-63206314-\$).did. or (EP-1239495-\$ or JP-2006278234-\$ or US-20080112112-\$ or JP-2005353652-\$ or JP-2008147612-\$ or JP-2007294654-\$ or US-20060257719-\$ or JP-63206314-\$ or JP-2001217162-\$).did.	US-PGPUB; USPAT	ADJ	ON	2010/10/07 14:54
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S39	21	(JP-2001217162-\$ or JP-2002158140-\$ or JP-2002289481-\$ or JP-2008147612-\$ or JP-2006278234-\$ or JP-63206314-\$).did. or (EP-1239495-\$ or JP-2006278234-\$ or US-20080112112-\$ or JP-2005353652-\$ or JP-2008147612-\$ or JP-2007294654-\$ or US-20060257719-\$ or JP-63206314-\$ or JP-2001217162-\$).did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/10/07 14:55
S42	18	(supercapacitor or ultracapacitor or double near5 capacitor or electrochemical near4 (capacitor or cell or device)).ab,ti. and mesoporous with density	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/10/07 15:08
S45	5	(supercapacitor or ultracapacitor or double near5 capacitor or electrochemical near4 (capacitor or cell or device)).ab,ti. and (active or electrode) with (lithium titanate or Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> or "Li.sub.4Ti.sub.5O.sub.12" or "Li.sub.4" near "Ti.sub.5" near "O.sub.12") and (lithium titanate or Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> or "Li.sub.4Ti.sub.5O.sub.12" or "Li.sub.4" near "Ti.sub.5" near "O.sub.12") with advantag\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/10/07 15:28
S46	63	(supercapacitor or ultracapacitor or double near5 capacitor or electrochemical near4 (capacitor or cell or device)).ab,ti. and (active or electrode) with (lithium titanate or Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> or "Li.sub.4Ti.sub.5O.sub.12" or "Li.sub.4" near "Ti.sub.5" near "O.sub.12") with (anode or positive)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/10/07 15:29

S49	207	(supercapacitor or ultracapacitor or double near5 capacitor or electrochemical near4 (capacitor or cell or device)).ab,ti. and (active or electrode) same (lithium titanate or Li4Ti5O12 or "Li.sub.4Ti.sub.5O.sub.12" or "Li.sub.4" near "Ti.sub.5" near "O.sub.12")	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/10/07 15:35
S50	13	(supercapacitor or ultracapacitor or double near5 capacitor or electrochemical near4 (capacitor or cell or device)).ab,ti. and (active or electrode) same (lithium titanate or Li4Ti5O12 or "Li.sub.4Ti.sub.5O.sub.12" or "Li.sub.4" near "Ti.sub.5" near "O.sub.12") with add \$7	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/10/07 15:35
S51	37	(S36 or S39) and (titanium near2 (dioxide) or "TiO.sub.2" or "Li.sub.4Ti.sub.5O.sub.12" or lithium titanate or Li4Ti5O12)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/10/07 15:45
S53	44	(supercapacitor or ultracapacitor or double near5 capacitor).ab,ti. and ("Li.sub.4Ti.sub.5O.sub.12" or lithium titanate or Li4Ti5O12)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/10/07 16:04
S54	1470	361/502.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/10/07 16:04
S55	182	(supercapacitor or ultracapacitor or double near5 capacitor or electrochemical near4 (capacitor or cell or device)).ab,ti. and (porous or pore) with density and pore with (size or diameter) with (nm or nanometer or angstrom)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/10/07 16:13

S56	31	(supercapacitor or ultracapacitor or double near5 capacitor or electrochemical near4 (capacitor or cell or device)).ab,ti. and (porous or pore) with density and pore with (size or diameter) with (nm or nanometer or angstrom) and (lithium titanate or Li4Ti5O12 or "Li.sub.4Ti.sub.5O.sub.12" or "Li.sub.4" near "Ti.sub.5" near "O.sub.12" or TiO2 or "TiO.sub.2" or titanium dioxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/10/07 16:13
S57	30	(supercapacitor or ultracapacitor or double near5 capacitor or electrochemical near4 (capacitor or cell or device)).ab,ti. and (porous or pore) with density and pore with (size or diameter) with (nm or nanometer or angstrom) with ("1" or "2" or "3" or "4" or "5" or "6" or "7" or "8" or "9" or "10") and (lithium titanate or Li4Ti5O12 or "Li.sub.4Ti.sub.5O.sub.12" or "Li.sub.4" near "Ti.sub.5" near "O.sub.12" or TiO2 or "TiO.sub.2" or titanium dioxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/10/07 16:16
S58	1	("20040202934").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/07 16:54
S60	8	(supercapacitor or ultracapacitor or double near5 capacitor or electrochemical near4 (capacitor or cell or device)).ab,ti. and (porous or pore) with density and pore with (size or diameter) with (nm or nanometer or angstrom) with uniform \$6	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/10/07 17:07

S61	16	(supercapacitor or ultracapacitor or double near5 capacitor or electrochemical near4 (capacitor or cell or device)).ab,ti. and pore with (size or diameter) with (nm or nanometer or angstrom) with uniform \$6	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/10/07 17:09
S62	68	(supercapacitor or ultracapacitor or double near5 capacitor or electrochemical near4 (capacitor or cell or device)).ab,ti. and pore with (size or diameter) with (nm or nanometer or angstrom) and (lithium titanate or Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> or "Li.sub.4Ti.sub.5O.sub.12" or "Li.sub.4" near "Ti.sub.5" near "O.sub.12" or TiO <sub>2</sub> or "TiO.sub.2" or titanium dioxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/10/08 08:42
S63	4	(supercapacitor or ultracapacitor or double near5 capacitor or electrochemical near4 (capacitor or cell or device)).ab,ti. and pore with (density) with ("cm.sup.2" or "cm.sup.-2") and (lithium titanate or Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> or "Li.sub.4Ti.sub.5O.sub.12" or "Li.sub.4" near "Ti.sub.5" near "O.sub.12" or TiO <sub>2</sub> or "TiO.sub.2" or titanium dioxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/10/08 08:44
S64	22	(supercapacitor or ultracapacitor or double near5 capacitor or electrochemical near4 (capacitor or cell or device)).ab,ti. and pore with (density) with ("cm.sup.2" or "cm.sup.-2")	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/10/08 08:45

S65	66	(supercapacitor or ultracapacitor or double near5 capacitor or electrochemical near4 (capacitor or cell or device)) and pore with (density) with ("cm.sup.2" or "cm.sup.-2") same (active or electrode)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/10/08 08:48
S66	2	(supercapacitor or ultracapacitor or double near5 capacitor or electrochemical near4 (capacitor or cell or device)).ab.ti. and pore with (size or diameter) with (nm or nanometer or angstrom) with (lithium titanate or Li4Ti5O12 or "Li.sub.4Ti.sub.5O.sub.12" or "Li.sub.4" near "Ti.sub.5" near "O.sub.12" or TiO2 or "TiO.sub.2" or titanium dioxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/10/08 08:48
S67	8	(supercapacitor or ultracapacitor or double near5 capacitor or electrochemical near4 (capacitor or cell or device)).ab.ti. and pore with (size or diameter) with (nm or nanometer or angstrom) same (lithium titanate or Li4Ti5O12 or "Li.sub.4Ti.sub.5O.sub.12" or "Li.sub.4" near "Ti.sub.5" near "O.sub.12" or TiO2 or "TiO.sub.2" or titanium dioxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/10/08 08:49
S68	2	(supercapacitor or ultracapacitor or double near5 capacitor or electrochemical near4 (capacitor or cell or device)) and pore with (density) with ("cm.sup.2" or "cm.sup.-2") with ("10.sup.10" or "10.sup.11" or "10.sup.12" or "10.sup.13") same (active or electrode)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/10/08 08:52

S69	16	(supercapacitor or ultracapacitor or double near5 capacitor or electrochemical near4 (capacitor or cell or device)) and pore with (density) with ("cm.sup.2" or "cm.sup.-2") with ("10.sup.10" or "10.sup.11" or "10.sup.12" or "10.sup.13")	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/10/08 08:53
S71	57	(supercapacitor or ultracapacitor or double near5 capacitor).ab,ti. and (TiO2 or "TiO.sub.2" or titanium near3 dioxide) same (active or electrode)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/10/08 09:35
S72	3	(( "6203925") or ("20030017104") or ("6645673")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/08 10:02
S74	84	(supercapacitor or ultracapacitor or double near5 capacitor or battery or electrochemcial).ab,ti. and (TiO2 or "TiO.sub.2" or titanium near3 dioxide or lithium near3 titanate or "Li.sub.4Ti.sub.5O.sub.12") same (active or electrode or cathode or anode) and ((lithium or Li) near3 (hydroxide or OH) or LiOH) with electrolyt\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2011/03/22 08:58
S75	2	(supercapacitor or ultracapacitor or double near5 capacitor or electrochemcial).ab,ti. and (TiO2 or "TiO.sub.2" or titanium near3 dioxide or lithium near3 titanate or "Li.sub.4Ti.sub.5O.sub.12") same (active or electrode or cathode or anode) and ((lithium or Li) near3 (hydroxide or OH) or LiOH) with electrolyt\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2011/03/22 09:01

S76	3	(supercapacitor or ultracapacitor or double near5 capacitor or electrochemcial) and (TiO2 or "TiO.sub.2" or titanium near3 dioxide or lithium near3 titanate or "Li.sub.4Ti.sub.5O.sub.12") same (active or electrode or cathode or anode) and ((lithium or Li) near3 (hydroxide or OH) or LiOH) with electrolyt\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2011/03/22 09:02
S77	11	(supercapacitor or ultracapacitor or double near5 capacitor or electrochemcial).ab.ti. and ((lithium or Li) near3 (hydroxide or OH) or LiOH) with electrolyt\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2011/03/22 09:03
S78	45	(supercapacitor or ultracapacitor or double near5 capacitor) and ((lithium or Li) near3 (hydroxide or OH) or LiOH) with electrolyt\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2011/03/22 09:06
S79	101	(battery) and (TiO2 or "TiO.sub.2" or titanium near3 dioxide or lithium near3 titanate or "Li.sub.4Ti.sub.5O.sub.12") same (active or electrode or cathode or anode) and ((lithium or Li) near3 (hydroxide or OH) or LiOH) with electrolyt\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2011/03/24 08:29
S82	83	(battery) and (TiO2 or "TiO.sub.2" or titanium near3 dioxide or lithium near3 titanate or "Li.sub.4Ti.sub.5O.sub.12") same (active or electrode or cathode or anode) and ((lithium or Li) near3 (hydroxide or OH) or LiOH) with electrolyt\$2 and ("NiO.sub."\$2 or NiO or Nickle near3 \$6oxide or Nickel) same (active or electrode or cathode or anode)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2011/03/24 08:48

S83	78	(battery) and (TiO <sub>2</sub> or "TiO.sub.2" or titanium near3 dioxide or lithium near3 titanate or "Li.sub.4Ti.sub.5O.sub.12") same (active or electrode or anode) and ((lithium or Li) near3 (hydroxide or OH) or LiOH) with electrolyt\$2 and ("NiO.sub.\$2 or NiO or Nickle near3 \$6oxide or Nickel) same (active or electrode or cathode)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2011/03/24 08:52
S84	29	(supercapacitor or ultracapacitor or double near5 capacitor or electrochemcial).ab.ti. and (TiO <sub>2</sub> or "TiO.sub.2" or titanium near3 dioxide or lithium near3 titanate or "Li.sub.4Ti.sub.5O.sub.12") same (active or electrode or cathode or anode) and ((hydroxide or OH) or aqueous or "H.sub.2O") with electrolyt \$2	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2011/03/24 11:48
S85	131	(supercapacitor or ultracapacitor or double near5 capacitor or electrochemcial) and (TiO <sub>2</sub> or "TiO.sub.2" or titanium near3 dioxide or lithium near3 titanate or "Li.sub.4Ti.sub.5O.sub.12") same (active or electrode or cathode or anode) and ((hydroxide or OH) or aqueous or "H.sub.2O") with electrolyt \$2 not S84	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2011/03/24 11:53
S92	28	("3700975"   "5260855"   "5351164").PN. OR ("5429893").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/03/25 10:46



S100	4	(supercapacitor or ultracapacitor or double near5 capacitor or electrochemical or battery).ab,ti. and (mesoporous) same (TiO2 or "TiO.sub.2" or titanium near3 dioxide or lithium near3 titanate or "Li.sub.4Ti.sub.5O.sub.12") same (active or electrode or cathode or anode) and ((hydroxide or OH) or aqueous or "H.sub.2O") with electrolyt \$2 same (li or lithium) and (mesoporous) same (Ni or nickel) same (active or electrode or cathode or anode)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2011/08/16 14:15
S101	5	(supercapacitor or ultracapacitor or double near5 capacitor or electrochemical or battery).ab,ti. and (TiO2 or "TiO.sub.2" or titanium near3 dioxide or lithium near3 titanate or "Li.sub.4Ti.sub.5O.sub.12") same (active or electrode or cathode or anode) and ((hydroxide or OH) or aqueous or "H.sub.2O") with electrolyt\$2 same (li or lithium) and (mesoporous) same (Ni or nickel) same (active or electrode or cathode or anode)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2011/08/16 14:16
S102	9	(supercapacitor or ultracapacitor or double near5 capacitor or electrochemical or battery).ab,ti. and (mesoporous) same (TiO2 or "TiO.sub.2" or titanium near3 dioxide or lithium near3 titanate or "Li.sub.4Ti.sub.5O.sub.12") same (active or electrode or cathode or anode) and ((hydroxide or OH) or aqueous or "H.sub.2O") with electrolyt \$2 same (li or lithium)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2011/08/16 14:16

		and (Ni or nickel) same (active or electrode or cathode or anode)				
S103	26	(supercapacitor or ultracapacitor or double near5 capacitor or electrochemical or battery).ab,ti. and (TiO2 or "TiO.sub.2" or titanium near3 dioxide or lithium near3 titanate or "Li.sub.4Ti.sub.5O.sub.12") same (active or electrode or cathode or anode) and ((hydroxide or OH) or aqueous or "H.sub.2O") with electrolyt\$2 same (li or lithium) and (Ni or nickel) same (active or electrode or cathode or anode) and mesoporous	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2011/08/16 14:19
S104	16	S103 not S102 not S101 not S100	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2011/08/16 14:19
S105	10	(supercapacitor or ultracapacitor or double near5 capacitor or electrochemical or battery).ab,ti. and mesoporous same (TiO2 or "TiO.sub.2" or titanium near3 dioxide or lithium near3 titanate or "Li.sub.4Ti.sub.5O.sub.12") same (active or electrode or cathode or anode) and ((hydroxide or OH) or aqueous or "H.sub.2O") with electrolyt\$2 same (li or lithium)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2011/08/16 14:25
S106	6	(supercapacitor or ultracapacitor or double near5 capacitor or electrochemical or battery).ab,ti. and mesoporous same (TiO2 or "TiO.sub.2" or titanium near3 dioxide or lithium near3 titanate or "Li.sub.4Ti.sub.5O.sub.12") same (active or electrode or cathode or anode) and (((hydroxide or OH) or aqueous or "H.sub.2O")	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2011/08/16 14:25

		with (li or lithium) or LiOH) with electrolyt\$2				
S110	12	(supercapacitor or ultracapacitor or double near5 capacitor or electrochemical or battery).ab,ti. and (TiO2 or "TiO.sub.2" or titanium near3 dioxide or lithium near3 titanate or "Li.sub.4Ti.sub.5O.sub.12") same (active or electrode or cathode or anode) and (((hydroxide or OH)) with (li or lithium) or LiOH) with electrolyt\$2 and (TiO2 or "TiO.sub.2" or titanium near3 dioxide or lithium near3 titanate or "Li.sub.4Ti.sub.5O.sub.12") same (porous or mesoporous)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2011/08/16 14:34
S114	43	(supercapacitor or ultracapacitor or double near5 capacitor or electrochemical or battery).ab,ti. and (TiO2 or "TiO.sub.2" or titanium near3 dioxide or lithium near3 titanate or "Li.sub.4Ti.sub.5O.sub.12") with (anode) and (TiO2 or "TiO.sub.2" or titanium near3 dioxide or lithium near3 titanate or "Li.sub.4Ti.sub.5O.sub.12") same (porous or mesoporous) and (nickel or Ni) with cathode and (aqueous) with electrolyt \$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2011/08/23 11:13
S115	4	(supercapacitor or ultracapacitor or double near5 capacitor or electrochemical or battery).ab,ti. and (TiO2 or "TiO.sub.2" or titanium near3 dioxide or lithium near3 titanate or "Li.sub.4Ti.sub.5O.sub.12") with (anode) and (TiO2 or "TiO.sub.2" or titanium near3 dioxide or lithium near3 titanate or "Li.sub.4Ti.sub.5O.sub.12")	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2011/08/23 11:13

		same (mesoporous) and (nickel or Ni) with cathode and (aqueous) with electrolyt\$4				
S116	1	(supercapacitor or ultracapacitor or double near5 capacitor or electrochemical or battery).ab,ti. and (TiO2 or "TiO.sub.2" or titanium near3 dioxide or lithium near3 titanate or "Li.sub.4Ti.sub.5O.sub.12") with (anode) and (TiO2 or "TiO.sub.2" or titanium near3 dioxide or lithium near3 titanate or "Li.sub.4Ti.sub.5O.sub.12") same (nanoporous) and (nickel or Ni) with cathode and (aqueous) with electrolyt\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2011/08/23 11:14
S117	2	(supercapacitor or ultracapacitor or double near5 capacitor or electrochemical or battery).ab,ti. and (TiO2 or "TiO.sub.2" or titanium near3 dioxide or lithium near3 titanate or "Li.sub.4Ti.sub.5O.sub.12") with (anode) and (TiO2 or "TiO.sub.2" or titanium near3 dioxide or lithium near3 titanate or "Li.sub.4Ti.sub.5O.sub.12") same (porous) same pore with (diameter or size) and (nickel or Ni) with cathode and (aqueous) with electrolyt\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2011/08/23 11:14
S118	5	(supercapacitor or ultracapacitor or double near5 capacitor or electrochemical or battery).ab,ti. and (TiO2 or "TiO.sub.2" or titanium near3 dioxide or lithium near3 titanate or "Li.sub.4Ti.sub.5O.sub.12") same (mesoporous) and (nickel or Ni) with mesoporous and (aqueous) with electrolyt\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2011/08/23 11:22

S119	74	(supercapacitor or ultracapacitor or double near5 capacitor or electrochemical or battery).ab,ti. and (TiO2 or "TiO.sub.2" or titanium near3 dioxide or lithium near3 titanate or "Li.sub.4Ti.sub.5O.sub.12") with (anode) and (TiO2 or "TiO.sub.2" or titanium near3 dioxide or lithium near3 titanate or "Li.sub.4Ti.sub.5O.sub.12") same (porous or mesoporous) and (aqueous) with electrolyt \$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2011/08/23 11:24
S121	1	("6881377").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/08/23 11:30
S122	5	(supercapacitor or ultracapacitor or double near5 capacitor or electrochemical or battery).ab,ti. and (TiO2 or "TiO.sub.2" or titanium near3 dioxide or lithium near3 titanate or "Li.sub.4Ti.sub.5O.sub.12") with (anode) and (TiO2 or "TiO.sub.2" or titanium near3 dioxide or lithium near3 titanate or "Li.sub.4Ti.sub.5O.sub.12") same (porous or mesoporous) and ((lithium or li) near (hydroxide or OH) or LiOH) with electrolyt\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2011/08/23 11:31
S123	11	(supercapacitor or ultracapacitor or double near5 capacitor or electrochemical or battery) and (TiO2 or "TiO.sub.2" or titanium near3 dioxide or lithium near3 titanate or "Li.sub.4Ti.sub.5O.sub.12") with (anode) and (TiO2 or "TiO.sub.2" or titanium near3 dioxide or lithium near3 titanate or "Li.sub.4Ti.sub.5O.sub.12") same (nanoporous or	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2011/08/23 11:34



S134	5	("361".clas. or "429". clas.) and (nickel or ni) same (nanoporous or mesoporous) and (((lithium or li) near (hydroxide or OH) or LiOH) or aqueous) with electrolyt\$4 and (TiO2 or "TiO.sub.2" or titanium near3 dioxide or lithium near3 titanate or "Li.sub.4Ti.sub.5O.sub.12") same (nanoporous or mesoporous)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2011/08/24 13:09
S136	24	("361".clas. or "429". clas.) and (((lithium or li) near (hydroxide or OH) or LiOH) or aqueous) with electrolyt\$4 and (TiO2 or "TiO.sub.2" or titanium near3 dioxide or lithium near3 titanate or "Li.sub.4Ti.sub.5O.sub.12") same (nanoporous or mesoporous)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2011/08/24 13:13
S137	23	("361".clas. or "429". clas.) and (nickel or ni) same (nanoporous or mesoporous) and (((lithium or li) near (hydroxide or OH) or LiOH) or aqueous) with electrolyt\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2011/08/24 13:13
S138	42	S136 or S137	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2011/08/24 13:13
S140	168	("361".clas. or "429". clas.) and (nickel or ni) same (pore near4 (size or daimeter)) and (((lithium or li) near (hydroxide or OH) or LiOH) or aqueous) with electrolyt \$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2011/08/24 13:22

S141	167	(supercapacitor or ultracapacitor or double near5 capacitor or electrochemical or battery).ab,ti. and(nickel or ni) same (pore near4 (size or daimeter)) and (((lithium or li) near (hydroxide or OH) or LiOH) or aqueous) with electrolyt\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2011/08/24 13:24
S142	2	("361".clas. or "429". clas.) and (nickel or ni) same (pore near5 (size or diameter)) and (((lithium or li) near (hydroxide or OH) or LiOH) or aqueous) with electrolyt \$4 and (TiO2 or "TiO. sub.2" or titanium near3 dioxide or lithium near3 titanate or "Li.sub.4Ti. sub.5O.sub.12") same (pore near5 (size or diameter))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2011/08/24 13:28
S143	71	(supercapacitor or ultracapacitor or double near5 capacitor or electrochemical or battery).ab,ti. and (nickel or ni) same (pore near4 (size or daimeter)) and (((lithium or li) near (hydroxide or OH) or LiOH) or aqueous) with electrolyt\$4 and (nickel or ni) same cathode	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2011/08/24 13:30
S144	3	(supercapacitor or ultracapacitor or double near5 capacitor or electrochemical or battery).ab,ti. and (nickel or ni) same (pore near5 (size or diameter)) and (((lithium or li) near (hydroxide or OH) or LiOH) or aqueous) with electrolyt\$4 and (TiO2 or "TiO.sub.2" or titanium near3 dioxide or lithium near3 titanate or "Li. sub.4Ti.sub.5O.sub.12") same (pore near5 (size or diameter))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2011/08/24 16:11



S145	167	(supercapacitor or ultracapacitor or double near5 capacitor or electrochemical or battery).ab,ti. and(nickel or ni) same (pore near4 (size or daimeter)) and (((lithium or li) near (hydroxide or OH) or LiOH) or aqueous) with electrolyt\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2011/08/24 16:11
S146	71	(supercapacitor or ultracapacitor or double near5 capacitor or electrochemical or battery).ab,ti. and (nickel or ni) same (pore near4 (size or daimeter)) and (((lithium or li) near (hydroxide or OH) or LiOH) or aqueous) with electrolyt\$4 and (nickel or ni) same cathode	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2011/08/24 16:11
S147	96	S145 not S146	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2011/08/24 16:11
S148	28	(supercapacitor or ultracapacitor or double near5 capacitor or electrochemical or battery).ab,ti. and (((lithium or li) near (hydroxide or OH) or LiOH) or aqueous) with electrolyt\$4 and (TiO2 or "TiO.sub.2" or titanium near3 dioxide or lithium near3 titanate or "Li.sub.4Ti.sub.5O.sub.12") same (pore near5 (size or diameter))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2011/08/24 16:20
S149	7	(supercapacitor or ultracapacitor or double near5 capacitor or electrochemical or battery).ab,ti. and (Ni or nickel) with (nanoporous or mesoporous) and (TiO2 or "TiO.sub.2" or titanium near3 dioxide or lithium near3 titanate or "Li.sub.4Ti.sub.5O.sub.12") with (nanoporous or	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2011/08/24 16:40

		mesoporous)				
S150	23	(supercapacitor or ultracapacitor or double near5 capacitor or electrochemical or battery) and (Ni or nickel) with (nanoporous or mesoporous) and (TiO2 or "TiO.sub.2" or titanium near3 dioxide or lithium near3 titanate or "Li.sub.4Ti.sub.5O.sub.12") with (nanoporous or mesoporous)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2011/08/24 16:40
S151	4	("361".clas. or "429". clas.) and (Ni or nickel) with (nanoporous or mesoporous) and (TiO2 or "TiO.sub.2" or titanium near3 dioxide or lithium near3 titanate or "Li.sub.4Ti.sub.5O.sub.12") with (nanoporous or mesoporous)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2011/08/24 16:43
S152	16	(supercapacitor or ultracapacitor or double near5 capacitor or electrochemical or battery).ab.ti. and (Ni or nickel) with (cathode) and (TiO2 or "TiO.sub.2" or titanium near3 dioxide or lithium near3 titanate or "Li.sub.4Ti.sub.5O.sub.12") with (anode) and ((li or lithium) near3 (OH or hydroxide) or LiOH) with electrolyte	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2011/08/26 12:46
S153	1	"361".clas. and (Ni or nickel) with (cathode) and (TiO2 or "TiO.sub.2" or titanium near3 dioxide or lithium near3 titanate or "Li.sub.4Ti.sub.5O.sub.12") with (anode) and ((li or lithium) near3 (OH or hydroxide) or LiOH) with electrolyte	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2011/08/26 12:49

S154	15	"429".clas. and (Ni or nickel) with (cathode) and (TiO2 or "TiO.sub.2" or titanium near3 dioxide or lithium near3 titanate or "Li.sub.4Ti.sub.5O.sub.12") with (anode) and ((li or lithium) near3 (OH or hydroxide) or LiOH) with electrolyte	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2011/08/26 12:49
S155	2	"2005142047"	EPO; JPO; DERWENT	ADJ	ON	2011/08/26 12:51
S159	16	("4758343"   "4977038"   "5122247"   "5250282"   "5328760"   "5538710"   "5595715"   "5849215"). PN. OR ("6503382"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/26 14:54
S164	5	(supercapacitor or ultracapacitor or double near5 capacitor or electrochemical or battery) and "Li.sub.4Ti.sub.5O.sub.12" and lithium near3 titanate with mesoporous	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2011/08/26 15:01

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